



**DECLARATION FOR UTILITY OR  
DESIGN  
PATENT APPLICATION  
(37 CFR 1.63)**

Declaration Submitted With Initial Filing       Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16(e)) required) OR

Attorney Docket Number	015114-069800US
First Named Inventor	DANG, DANH
<i><b>COMPLETE IF KNOWN</b></i>	
Application Number	10/750,175
Filing Date	December 30, 2003
Art Unit	2857
Examiner Name	

**I hereby declare that:**

**Each inventor's residence, mailing address, and citizenship are as stated below next to their name.**

I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

## TESTING HARD-WIRED IP INTERFACE SIGNALS USING A SOFT SCAN CHAIN

*(Title of the Invention)*

the specification of which

is attached hereto

OR

was filed on (MM/DD/YYYY)

12/30/2003

as United States Application Number or PCT International

Application Number 10/750,175 and was amended on (MM/DD/YYYY) \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:



## DECLARATION — Utility or Design Patent Application

Direct all correspondence to:  Customer Number **26059**  OR  Correspondence address below

Name

Address

City

State

ZIP

Country

Telephone

Fax

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR:  A petition has been filed for this unsigned inventor

Given Name  
(first and middle [if any])  
Danh

Family Name  
or Surname  
Dang

Inventor's  
Signature

Date

5/20/2004

Residence: City  
Hayward

State  
CA

Country  
US

Citizenship  
US

Mailing Address  
630 Panjon St.

City  
Hayward

State  
CA

ZIP  
94544

Country  
US

NAME OF SECOND INVENTOR:  A petition has been filed for this unsigned inventor

Given Name  
(first and middle [if any])  
Chung Elvis

Family Name  
or Surname  
Fu

Inventor's  
Signature

Date

5/20/2004

Residence: City  
Sunnyvale

State  
CA

Country  
US

Citizenship  
Hong Kong

Mailing Address  
610 San Conrado Terrace #4

City  
Sunnyvale

State  
CA

ZIP  
94085

Country  
US

Additional inventors or a legal representative are being named on the 1 supplemental sheet(s) PTO/SB/02A or 02LR attached hereto.

[Page 2 of 3]

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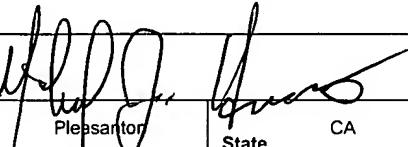
PTO/SB/02A (05-03)  
Approved for use through 04/30/2003, OMB 0651-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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## DECLARATION

### ADDITIONAL INVENTOR(S) Supplemental Sheet

Page 3 of 3

<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor		
Given Name (first and middle if any)		Family Name or Surname		
Michael		Harms		
Inventor's Signature				Date 5/24/04
Residence: City	Pleasanton	State	CA	Country US
Mailing Address 3152 Cranwood Court				
Mailing Address				
City Pleasanton	State CA	ZIP 94588	Country US	
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor		
Given Name (first and middle (if any))		Family Name or Surname		
Inventor's Signature				Date
Residence: City	State	Country	Citizenship	
Mailing Address				
Mailing Address				
City	State	ZIP	Country	
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor		
Given Name (first and middle (if any))		Family Name or Surname		
Inventor's Signature				Date
Residence: City	State	Country	Citizenship	
Mailing Address				
Mailing Address				
City	State	ZIP	Country	

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

*If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.*



<b>POWER OF ATTORNEY OR AUTHORIZATION OF AGENT</b>	<b>Application Number</b>	10/750,175
	<b>Filing Date</b>	December 30, 2003
	<b>First Named Inventor</b>	DANG, DANH
	<b>Title</b>	Testing Hard-Wired IP Interface Signals Using a Soft Scan Chain
	<b>Art Unit</b>	2857
	<b>Examiner Name</b>	
	<b>Attorney Docket Number</b>	015114-069800US

I hereby appoint:

Practitioners at Customer Number

**OR**

Practitioner(s) named below:

Name	Registration Number
Derek E. Minihane	39,774

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please recognize or change the correspondence address for the above-identified application to:

The above-mentioned Customer Number.

**OR**

The address associated with Customer Number:

--

**OR**

<input type="checkbox"/> Firm or Individual Name			
Address			
Address			
City	State	ZIP	
Country			
Telephone	Fax		

I am the:

Applicant/Inventor.

Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

#### SIGNATURE of Applicant or Assignee of Record

Name	Derek E. Minihane, Director, Intellectual Property Law and Assistant Secretary		
Signature			
Date	5/26/04	Telephone	
NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.			
<input checked="" type="checkbox"/> *Total of 1 forms are submitted.			

Attorney Docket No. 015114-069800US

**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: Danh Dang, Chung Elvis Fu and Michael HarmsApplication No./Patent No.: 10/750,175 Filed/Issue Date: December 30, 2003Entitled: TESTING HARD-WIRED IP INTERFACE SIGNALS USING A SOFT SCAN CHAINAltera Corporation, a corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1.  the assignee of the entire right, title, and interest; or
2.  an assignee of less than the entire right, title and interest.

The extent (by, percentage) of its ownership interest is        %

in the patent application/patent identified above by virtue of either:

A.  An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel       , Frame       , or for which a copy thereof is attached.

**OR**

B.  A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: \_\_\_\_\_ To : \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at  
Reel       , Frame       , or for which a copy thereof is attached.

2. From: \_\_\_\_\_ To : \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at  
Reel       , Frame       , or for which a copy thereof is attached.

3. From: \_\_\_\_\_ To : \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at  
Reel       , Frame       , or for which a copy thereof is attached. Additional documents in the chain of title are listed on a supplemental sheet. Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.8]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

5/26/04

Date

Telephone number

Derek E. Minihane

Typed or printed name

Signature

Director, Intellectual Property Law and  
Assistant Secretary

Title

# COPY

Attorney Docket No.: 015114-069800US  
Client Reference No.: A1335

## ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Danh Dang of 630 Panjon St., Hayward, CA 94544; Chung Elvis Fu of 610 San Conrado Terrace #4, Sunnyvale, CA 94085; Michael Harms of 3152 Cranwood Court, Pleasanton, CA 94588 hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: TESTING HARD-WIRED IP INTERFACE SIGNALS  
USING A SOFT SCAN CHAIN

Date(s) of execution of Declaration:

Filing Date: December 30, 2003

Application No.: 10/750,175; and

WHEREAS, Altera Corporation, a corporation of the state of Delaware, located at 101 Innovation Drive, San Jose, CA 95134, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignors hereby authorize and request Townsend and Townsend and Crew LLP, Two Embarcadero Center, Eighth Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

Assignment

Attorney Docket No.: 015114-069800US

Page 2

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: 5/20/2004



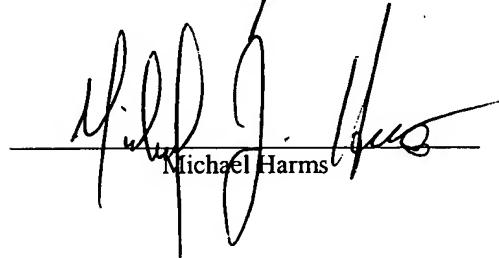
Danh Dang

Dated: 5/20/2004



Chung Elvis Fu

Dated: 5/24/2004



Michael Harms

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